201811 Fire US Data Sources

Geospatial Information and Remotely Sensed Imagery Products

November-20-2018

Catalog Info

Hazards Data Distribution System (HDDS)
Select Event: '201811_Fire_US' -> click on '+' and then 'Search'
Download Shapefiles for image footprints
https://hddsexplorer.usgs.gov/data/list/disaster/201811_Fire_US/shapefiles/index
More information about HDDS: http://hdds.usgs.gov/hazards-data-distribution-system-hdds

HDDS Emergency Operations - Collection Management Tool *(area of interest for disaster imagery collections)* *Request new disaster related imagery here.*
*http://cmt.usgs.gov/*

HDDS Footprints Legend:

We highlight new image footprints as either **red** or **blue**, where **red** reflects the newest footprints from the last 48 hours and **blue** reflects footprints from the last 7 days.
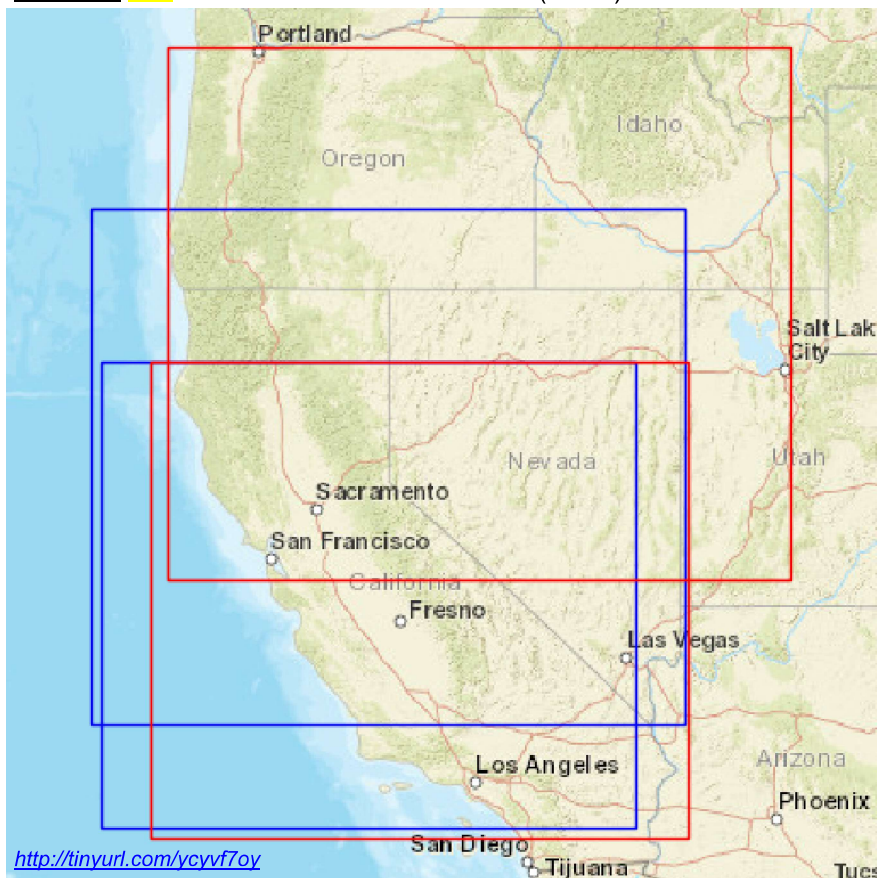
☐ New footprints from the past 48 hours

☐ Footprints from the last 7 days

Platform: **LANDSAT** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

http://tinyurl.com/ybav7jgt
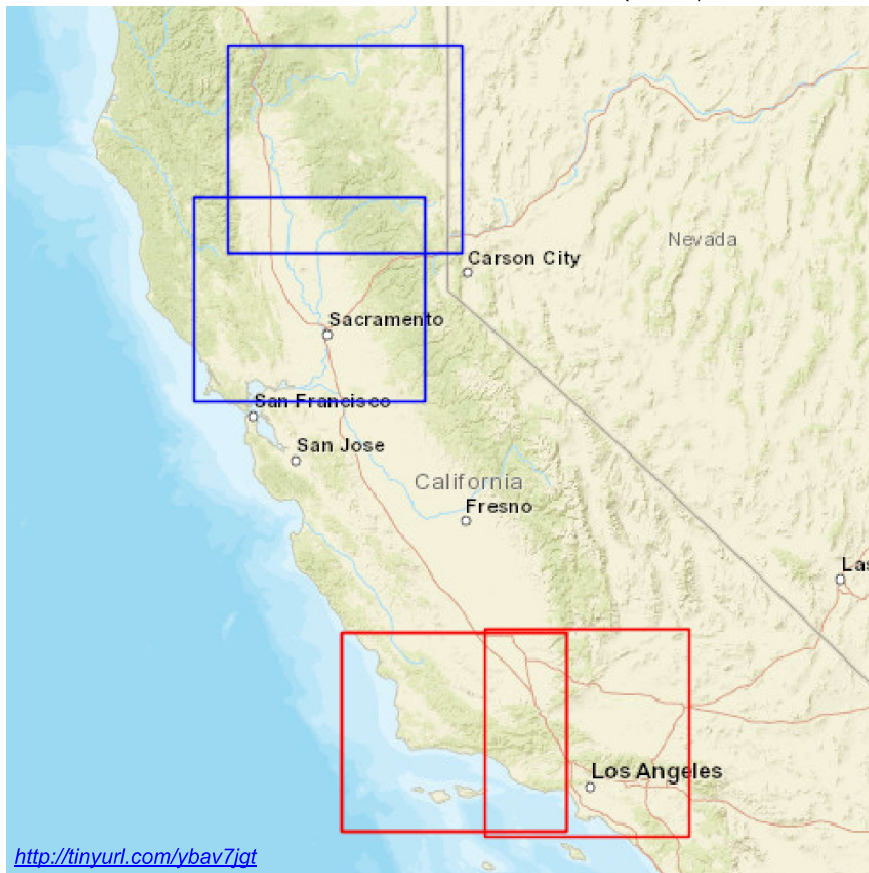
Platform: **IRS** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

http://tinyurl.com/ycyvf7oy

Platform: **MAP_PRODUCTS** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

http://tinyurl.com/ybl7pxah

Platform: **REPORTS** scenes from the last 48 hours (in red) and from the last 7 days (in blue)
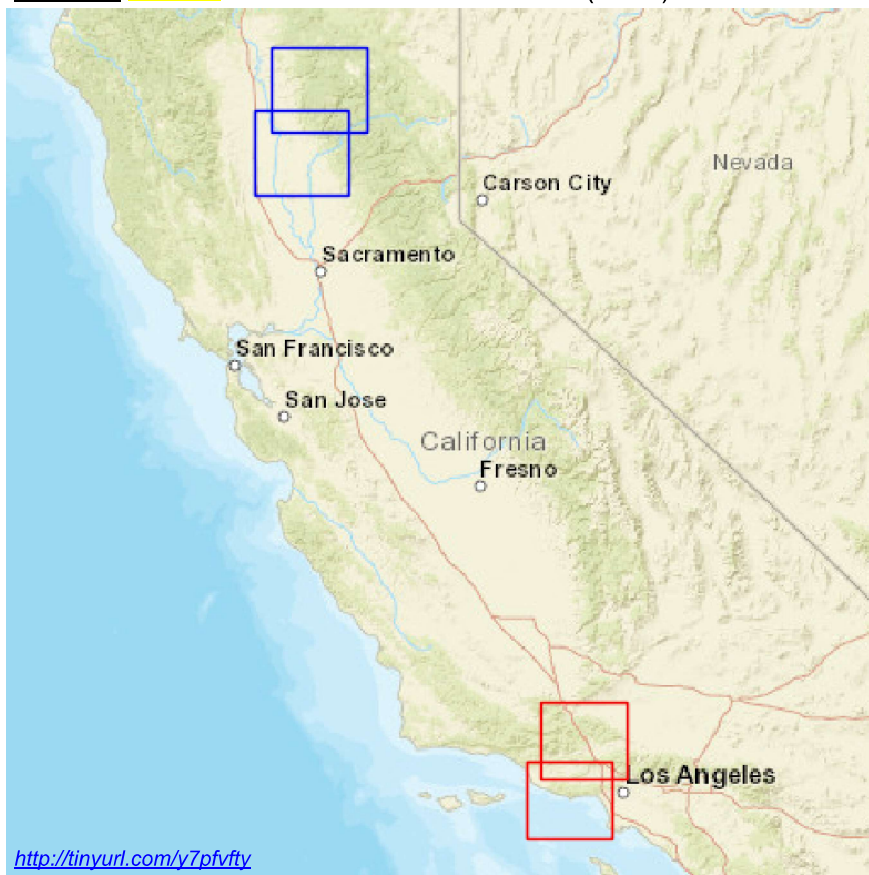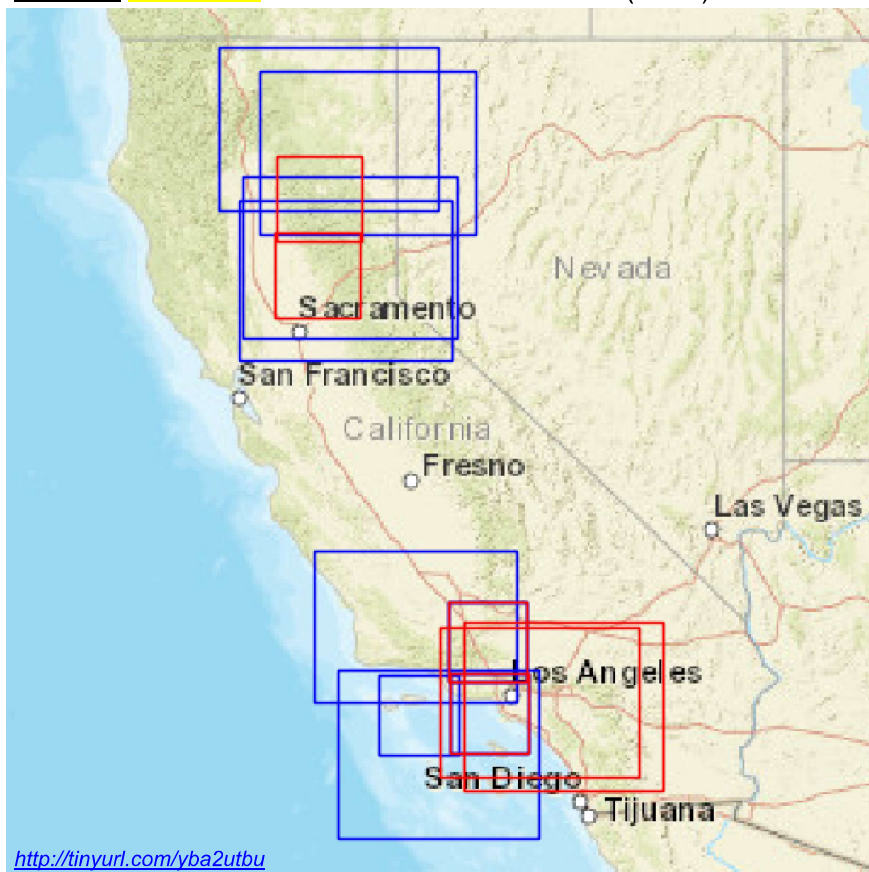

http://tinyurl.com/y8hbfr85

Platform: **TERRA** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

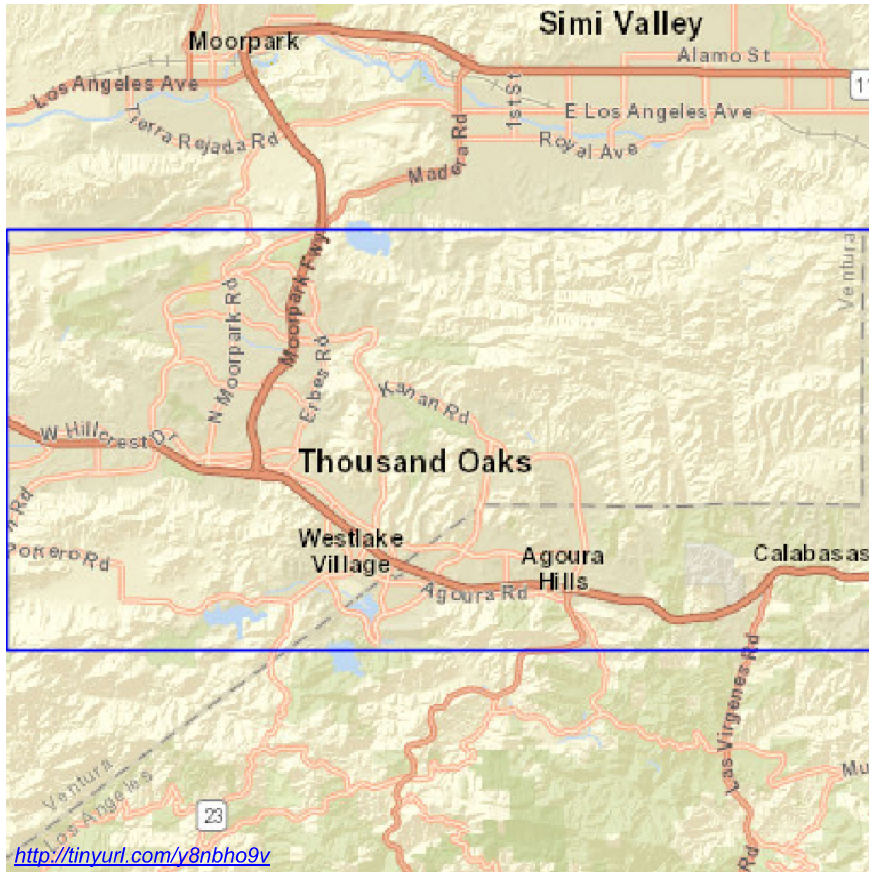*Platform:* **SENTINEL** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

HDDS Restricted

 If you have not registered on either EarthExplorer or HDDS, click the register button in the top right corner of the screen and go thru the registration process. Once registered, you will have access to EarthExplorer and HDDS download capabilities. The first time you attempt to download restricted imagery, you will need to fill out an access request form for that event. Click on 'Access' (upper right of HDDS screen), then select 'To request access to restricted data click here'. Select event from menu. Once granted access, you can download restricted imagery. (note: in most cases the restricted area contains licensed imagery, not all requests can be granted.)
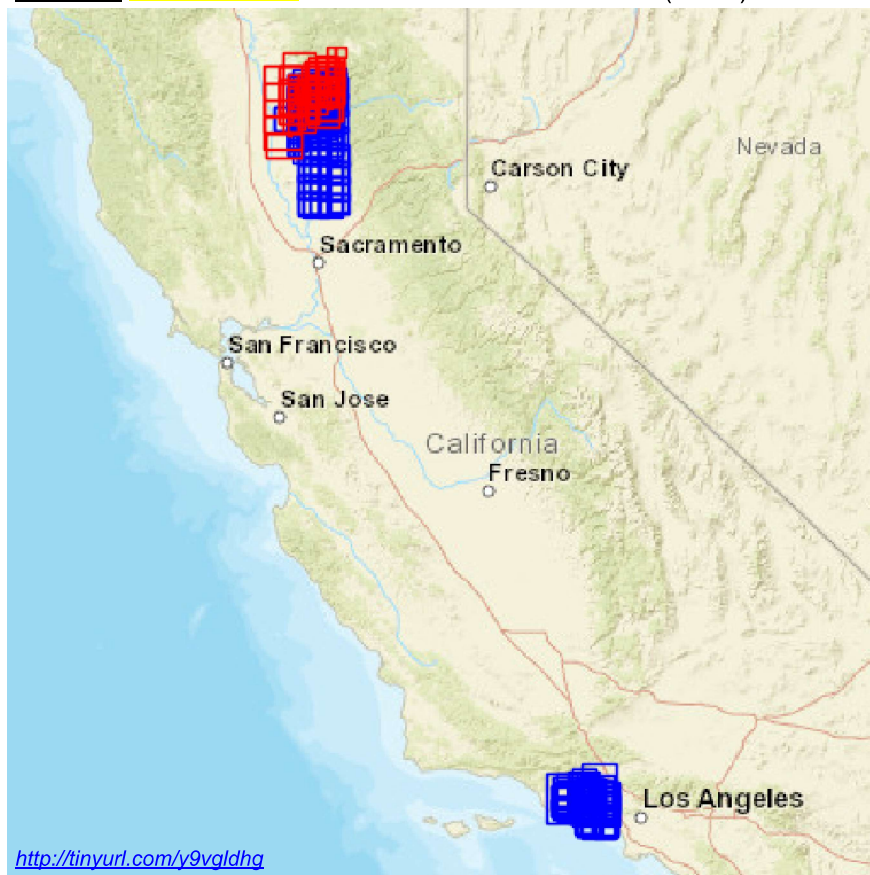
Request access:

https://hddsexplorer.usgs.gov/access/request?event=201811_Fire_US

Platform: **PLEIADES** scenes from the last 48 hours (in red) and from the last 7 days (in blue)
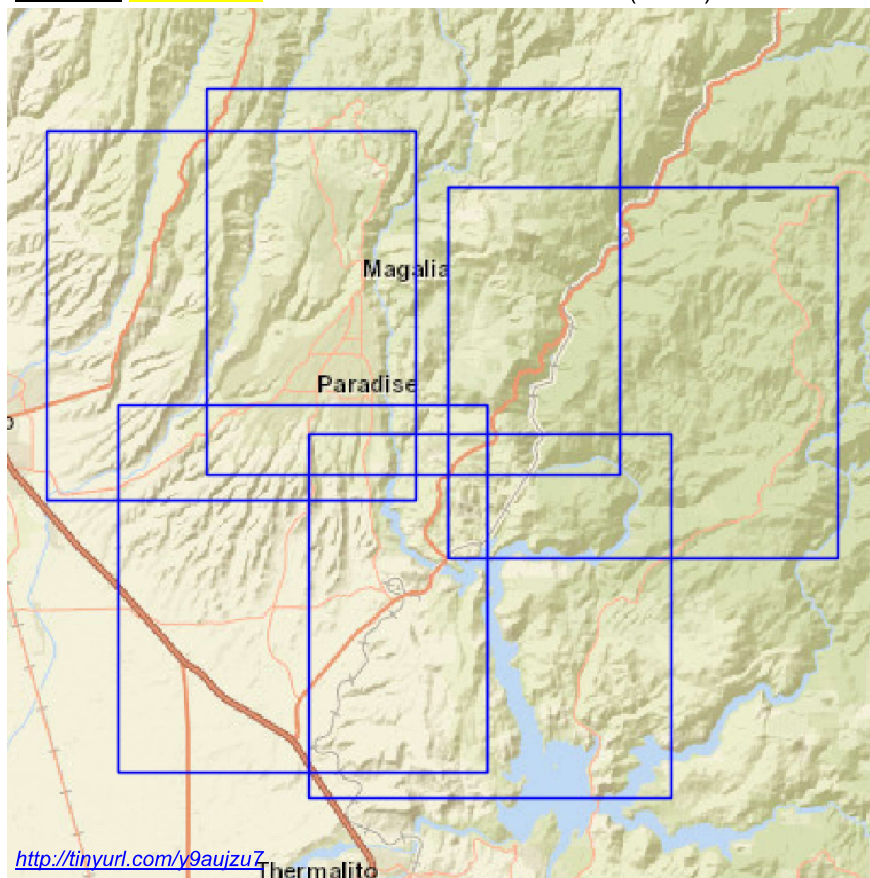

http://tinyurl.com/y8nbho9v

Platform: **WORLDVIEW** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

http://tinyurl.com/y9vgldhq

Platform: **KOMPSAT** scenes from the last 48 hours (in red) and from the last 7 days (in blue)
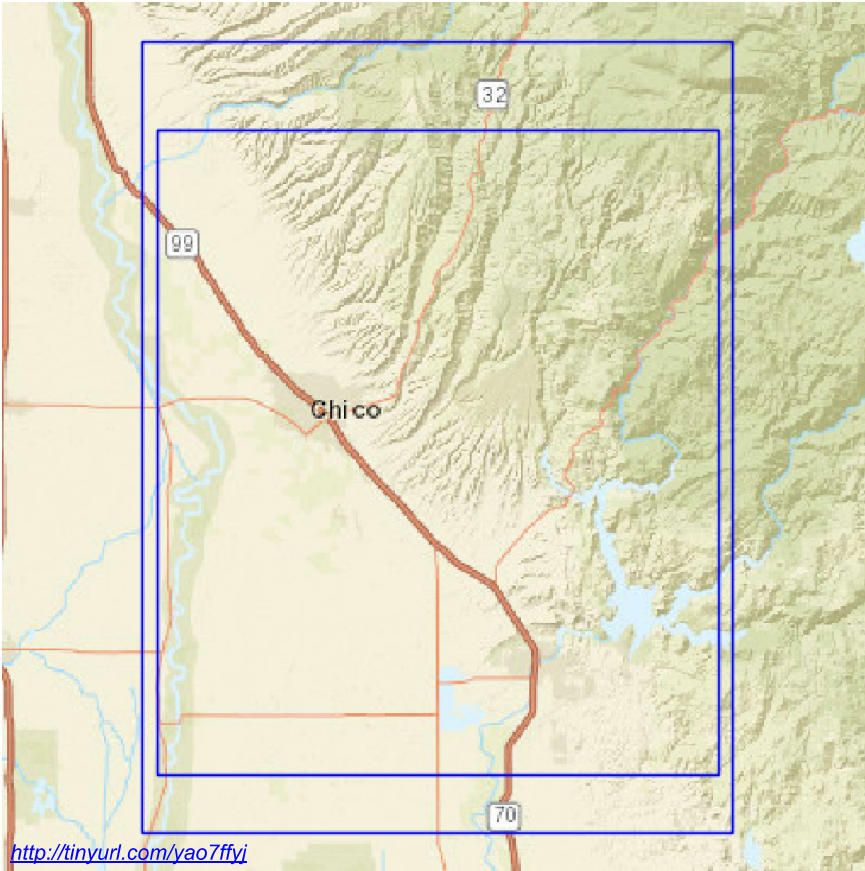

http://tinyurl.com/y9aujzuZ

Platform: **RESURS** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

Platform: **Kanopus** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

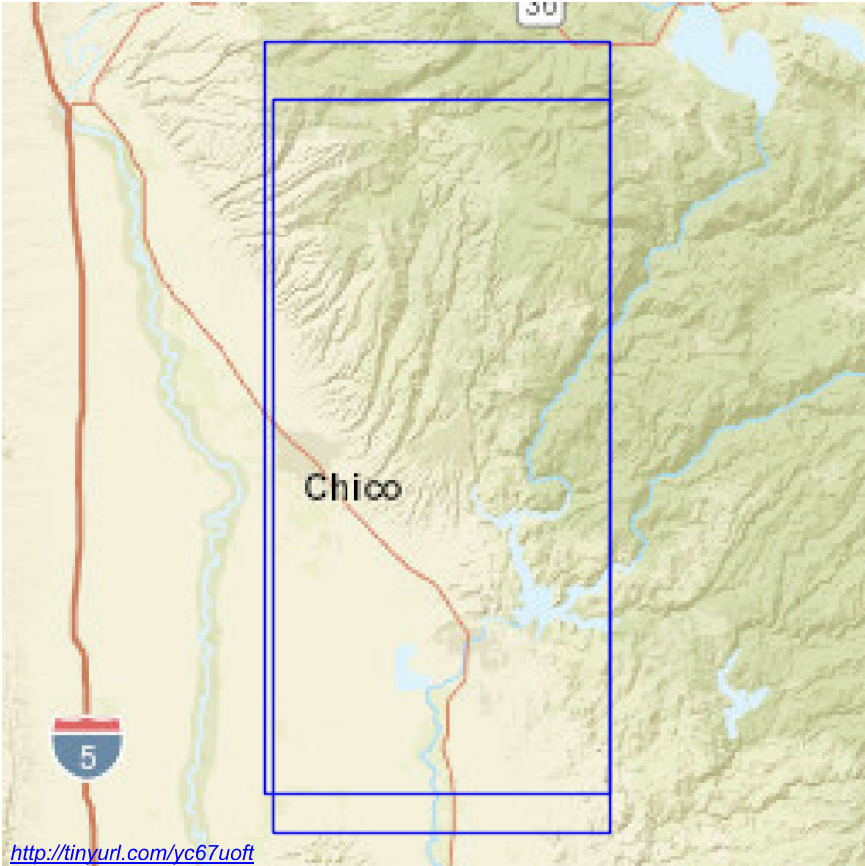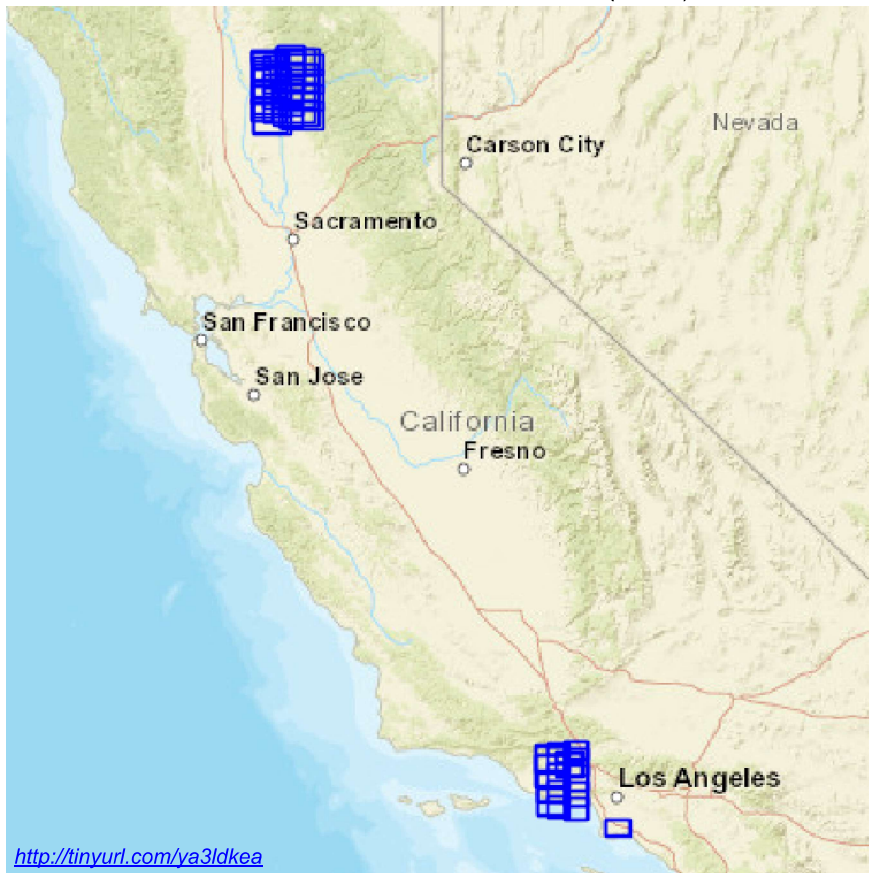*Platform:* **GEOEYE** scenes from the last 48 hours (in red) and from the last 7 days (in blue)
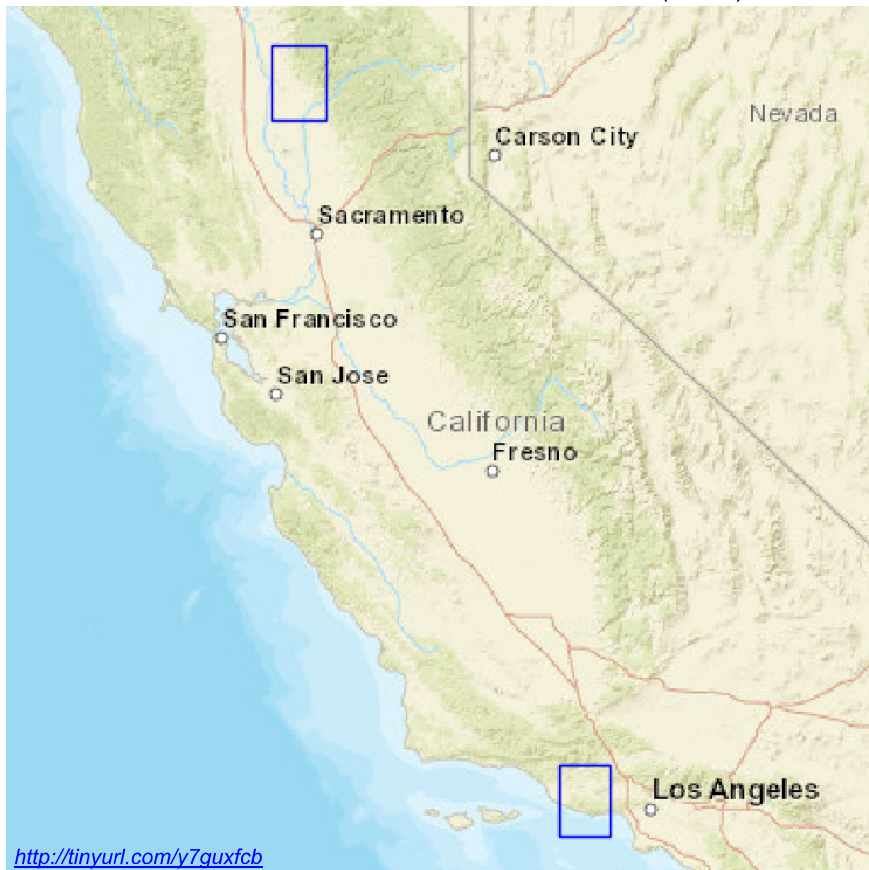

http://tinyurl.com/ya3ldkea

Platform: **TERRASARX** scenes from the last 48 hours (in red) and from the last 7 days (in blue)

http://tinyurl.com/y7guxfcb

http://tinyurl.com/y84g29wk
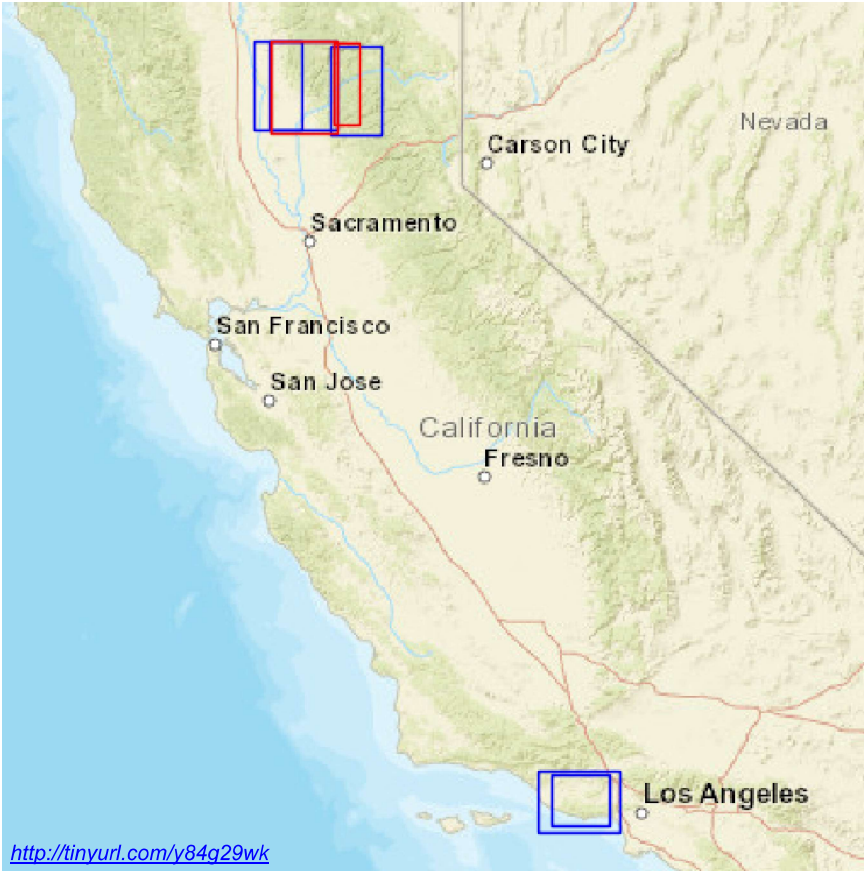
End HDDS

Digital Globe imagery is available orthorectified in the NGA funded EnhancedView Web Service. Users with .gov or.mil emails can self-register. https://evwhs.digitalglobe.com/myDigitalGlobe/

California Wildfires- Last 48 hours

Eagle Vision scenes
http://dev.evr2est.us/scenes/table and http://evr2est.us/

CAMP_FIRE

CAMP_FIRE_1

CAMP_FIRE_2

WOOLSEY_FIRE

Additional map services and journals:

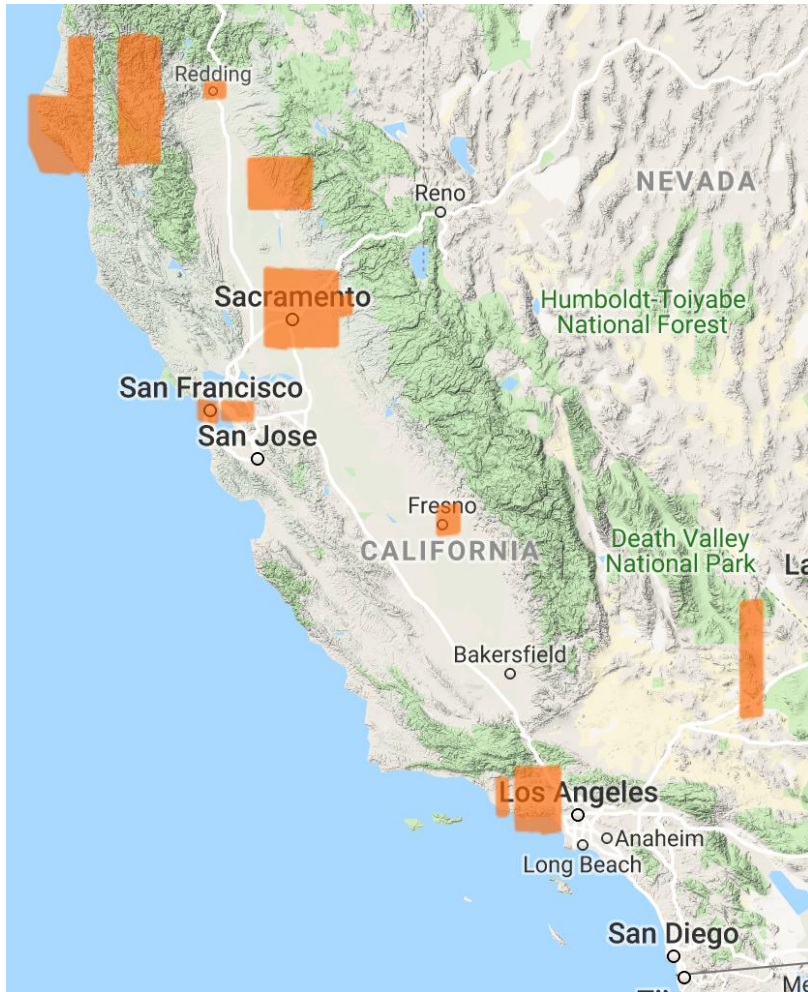**[NEW] CalOES has an incident map with NICB imagery loaded**
https://arcg.is/05Ki9G

[NEW] CalOES Incident brief
https://calema.maps.arcgis.com/apps/MapSeries/index.html?appid=8dca2116e7324ec5a75aaa0872fc8815

[NEW] FEMA Geospatial Response Team Maps
Public feature service of the Microsoft Building Outlines + CoreLogic Occupancy Types
Here is the link to the feature service:
https://www.arcgis.com/home/item.html?id=4cdc78e9c4c6476b935c77d0135ef961
And the link to the related web application:
http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=65a247f57ce3400db3751df93ead7902

Sentinel-2 Natural color:
http://fema.maps.arcgis.com/home/item.html?id=688ff719127a481e9018651c427a9540

Sentinel-2 Short Infra-red (a compelling visualization of the fires):
http://fema.maps.arcgis.com/home/item.html?id=8d94cf3376b14ed890e98da0742822dd

Sentinel-2 Burn Index (an index showing burn intensity/severity):
http://fema.maps.arcgis.com/home/item.html?id=af4b93ba88394be09b8cf9bc5793ee83

Sentinel-2 SAVI (vegetation) index (SAVI as an index of live vegetation. We can use it to estimate the "greenness" of the vegetation):
http://fema.maps.arcgis.com/home/item.html?id=ac753fc59e7e44d2919a479fbf09c476

Note: the presented image will always be the most recent image, and that these images will be updated automatically.

[NEW] Camp Fire Structure Status from Cal Fire
http://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=5306cc8cf38c4252830a38d467d33728

This is the URL to the layer:
https://services1.arcgis.com/jUJYIo9tSA7EHvfZ/arcgis/rest/services/Camp2018_DINS_Public_View_Pictures/FeatureServer

[NEW] Pacific Disaster Center
PDC – Wildfire – Butte County (Camp Fire), California, 15NOV18 0914 PST
- "Wildfire – Butte County (Camp Fire), California, United States" event in DisasterAWARE: https://emops.pdc.org/emops/?hazard_id=87194

PDC – Wildfire – Ventura and LA County (Woolsey Fire), California, 15NOV18 0914 PST

- "Wildfire – Ventura County, California, United States" event in DisasterAWARE: https://emops.pdc.org/emops/?hazard_id=87214

Register here for a DisasterAWARE Account: https://emops.pdc.org/emops/public/registeruser.jsp

Please advise response@pdc.org if you require additional support.

Camp Fire – Normalized SWIR Index
Published Sentinel Imagery for the Camp Wildfire 11_11_2018. Products: SNB, SSR, and Normalized SWIR Index.
http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=b01fa859f5be467f872ae0799c17f503

REST Service CAL FIRE Dashboard
http://fema.maps.arcgis.com/apps/opsdashboard/index.html#/457db02e0a1646edaf62c520a852859f

Joint Task Civil Support ArcGIS Portal Site
https://cs-map.jtfcs.northcom.mil/arcgis/home

NICB Collection Areas
Aerial Imagery in support of the Woolsey Fire and Camp Fire in California
Please visit www.geointel.org for more information
Please contact us with any questions at: support@geointel.org

SSEC True Color imagery from VIIRS direct broadcast
https://re.ssec.wisc.edu/s/BXKCQ

JSTAR JPSS Mapper
JSTAR Mapper

HRRR (rapid refresh) experimental smoke model forecasts
https://rapidrefresh.noaa.gov/hrrr/HRRRsmoke/

Experimental Forecast NOAA HRRR Smoke
https://hwp-viz.gsd.esrl.noaa.gov/smoke/index.html

Official Region 9 California Fires Journal
http://arcg.is/19OCbu

NASA's ARIA Damage Proxy Map of the Woolsey Fire
http://aria-share.jpl.nasa.gov/events/201811-Woolsey_Fire/

Cal OES Situational Awareness Dashboards:
Situational Awareness Dashboard Web App

FEMA Wildfire Journal:
https://fema.maps.arcgis.com/apps/MapJournal/index.html?appid=58585e471e484cffbc398c5830d0b4dd

NASA Disasters GIS Portal:

https://maps.disasters.nasa.gov/

Butte County Evac Zones:

Butte County Evac Zone Web Application

FEMA GIS Portal:

https://fema.maps.arcgis.com/home/index.html

NIFC Enterprise Geospatial Portal
>   **For the Fire Community**
>>   https://egp.nwcg.gov/egp/default.aspx
>>   Users can register for an account on the splash page. NIFC will vet your access before issuing an account.
>   **For the Public**
>>   https://maps.nwcg.gov/

FS Fire Data Web Services

https://fsapps.nwcg.gov/afm/wms.php

Fire Perimeters
- https://rmgsc.cr.usgs.gov/outgoing/GeoMAC/current_year_fire_data/current_year_all_states/
- https://rmgsc.cr.usgs.gov/ArcGIS/rest/services

InciWeb

http://inciweb.nwcg.gov/

US Wildfire Activity Public Information Map (ESRI ArcGIS)

http://www.arcgis.com/apps/PublicInformation/index.html?appid=4ae7c683b9574856a3d3b7f75162b3f4

Air Now (Air Quality)

https://www.airnow.gov/

Forest Service Active Fire Mapping

https://fsapps.nwcg.gov/afm/#

RemotePixel Viewer (Landsat-8, Sentinel-2 and CBERS-4 data viewer powered by AWS Lambda) **(Use Chrome or FireFox)**

Click Here for Viewer

ESA Sentinel Imagery (Use Chrome or FireFox)
Sentinel data-playground- additional band combinations to choose from as compared to the eo-browser. (Viewer)

Click Here for Viewer

Send comments, additions, and corrections to:
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Remote Sensing and GIS Data for Disaster Community (RSGDC) Data Source Updates